

CLAIMS

1. Method for targeting hunting or sports weapons, where a shooting person fires a number of shots, **characterised by** including a number of steps:

5 a) from a shooting position commonly used by the shooting person, a number of shots are fired with the weapon (4), which is loaded with a known type of ammunition, from a stand against a sighting point (75) on a target (76) disposed at a distance at which the weapon is to be targeted;

10 b) a mean point of impact (78) on the target (76) for the fired shots is determined;

c) the weapon (4) is mounted in an auxiliary device (2) for targeting hunting or sports weapons, the auxiliary device being set up in the stand area, and by which mounting the weapon (4) is roughly adjusted in the auxiliary device (2) by means of a first set and a second set of adjustable fastening means (18,20);

15 d) the auxiliary device (2) is finely adjusted by means of first set of adjusting means (38) for a controlled vertically oriented displacement and a second set adjusting means (40) for a control horizontally oriented displacement, so that the sights of the weapon (6, 8, 80) are directed toward the sighting point (75) used at the shooting;

20 e) the sights (6, 8, 80) are rectified with the weapon (4) fixed in the finely adjusted position, the rectifying being performed by operating a first set of sighting adjusting means (82) for vertical adjustment of the sights and a second set of sight adjusting means (84) for horizontal adjusting of the sights, respectively, until the sighting point (75) coincides with the mean point of impact (78) determined on the target (76);

25 f) the weapon (4) is dismounted from the auxiliary device (2) for targeting hunting or sports weapons.

2. Auxiliary device for targeting hunting or sports weapons, where the auxiliary device includes an omnidirectionally swivelling, at first, and lockable, subsequently, support for the weapon, in which support the weapon can be fixed, **characterised in that** there rough adjustment is performed at the fixing, and that there are means for fine adjustment by which fixing the weapon (4) is roughly adjusted in the auxiliary device (2) by

means of a first set and a second set of adjustable fastening means (18, 20), and where the means for fine adjustment are independent of the fastening means (18, 20).

3. Auxiliary device for targeting hunting or sports weapons according to claim 2,
5 **characterised in that** this is constituted by an adjusting bench (2) including a support holder (10) with a front end (12) defined as the end of the support holder (10) situated nearest to the muzzle (14) of weapon in the shape of a rifle placed in the adjusting bench (2), and a rear end (16), the support holder (10) including a set of roughly adjustable fastening means (18) and a second set of roughly adjustable fastening means
10 (20) disposed typically near the front end (12) and near the rear end (16), respectively, of the support holder (10) for detachable fastening of the rifle (4), where the support holder (10) includes a base (22) with clamping means (24) for fastening to a support (26) and at least one adjusting member (28) disposed on said base (22), of which preferably the uppermost one carries the first or the second set of fastening means (18, 20),
15 the adjusting member (28) near the first or the second fastening means (18, 20) being rotatably mounted to the base (22) by a first rotary connection (30) and a second rotary connection (32), respectively, about a first axis (34) and second axis (36) forming a mutual angle, and which adjusting member (28) near the fastening means (18, 20) opposite the rotary connection (30) is connected with the base (22) by a first set of adjusting means (38) for a controlled displacement largely perpendicularly to the first axis (34), and which adjusting member includes a second set of adjusting means (40) for a controlled displacement largely perpendicularly to the second axis (36) of the relevant end (12, 16) of the adjusting member (28).

25 4. Adjusting bench (2) according to claim 2 or 3, **characterised in that** the angle between the first axis (34) and the second axis (36) is preferably 90°.

30 5. Adjusting bench according to claim 2 or 3, **characterised in that** first axis (34) largely has horizontal orientation, and where the second axis (36) has largely vertical orientation.

6. Adjusting bench according to one or more of the claims 2 - 5, **characterised in that** the adjusting member (28) is preferably placed at the upper side (42) of the base (22).

7. Adjusting bench according to one or more of claims 2 - 6, **characterised in that** the base (22) includes at least three supporting and steadily disposed carrying legs (44) fastened at the clamping means (24).

5 8. Adjusting bench according to one or more of the claims 2 - 7, **characterised in that** the fastening means (18, 20) are constituted by interspaced, adjustable plates (46), the mutual distances of which are adjustable by adjusting means (48) for clamping relevant areas (50, 52) of stock parts (54) of the rifle (4) between the mutually facing sides (56, 58) of the plates (46).

10 9. Adjusting bench according to one or more of the claims 2 - 8, **characterised in that** the first set of adjusting means (38) for a controlled vertical orientation displacement of the relevant end (12, 16) of the adjusting member (28) are constituted by a threaded set screw (60) with an operating handle (62), the set screw (62) being mounted in a threaded hole interacting with it in the adjusting member (28), and the free end of 15 which (65) being in contact with a relevant side of the base (22).

10. Adjusting bench according to one or more of claims 2 - 9, **characterised in that** the second set of adjusting means (40) for a controlled horizontally oriented displacement of the relevant end (12, 16) of the adjusting member (28) is constituted by a threaded set screw (66) with an operating handle (68), the set screw (66) being mounted in a threaded hole (70) interacting with the former in the adjusting member (28), and the free end of which (71) being in contact with a relevant side of a part (72) projecting from the base (22).

25 11. Adjusting bench according to claim 10, **characterised in that** the free end (71) of the set screw (66) is held in contact with the relevant side of the part (72) projecting from the base (22) by means of a spring device (74) which is connected between the base (22) and the adjusting member (28).

30 12. Adjusting bench according to claim 10 or 11, **characterised in that** the free end (71) of the set screw (66) is rotatably mounted at the part (72) projecting from the base (22) by means of a slide bushing.